

IN THE CLAIMS:

This version of the claims replaces and supercedes all prior versions of the claims.

1. (Currently Amended) A digital portable telephone set having demodulating means for demodulating a received signal, wherein:

the demodulating means includes data reproducing means, the data reproducing means having first data generating means for generating first quality data on the basis of the received signal, and second data generating means for generating second quality data different from the first quality data on the basis of the received signal, said second data generating means also generates received data, the first data generating means and second data generating means being in parallel with each other, and said first quality data, second quality data, and the received data are transferred as demodulated data to a control unit, said control unit executes computational processing on said first and second quality data.

2. (Original) The digital portable telephone set according to claim 1, wherein the first quality data includes received signal frequency data.

3. (Original) The digital portable telephone set according to claim 1, wherein the second quality data does not include the received signal frequency data.

4. (Original) The digital portable telephone set according to claim 1, wherein the second data generating means further generates received data on the basis of the received signal.

5. (Original) The digital portable telephone set according to claim 1, which further comprises automatic frequency control means for automatically controlling the received signal frequency on the basis of the first quality data.

6. (Currently Amended) A digital portable telephone set having demodulating means for demodulating a received signal, wherein:

the demodulating means includes data reproducing means, the data reproducing means having first data generating means for generating first quality data on the basis of the received signal, and second data generating means for generating second quality data different from the first quality data on the basis of the received signal said second data generating means also generates received data, the first data generating means and second data generating means being in parallel with each other, the second data generating means including a correcting circuit for correcting the received signal frequency data on the basis of a difference signal obtained between a phase of the received signal and a delay signal based on a correction signal and a decoder for generating the second quality data and the received data on the basis of the corrected signal frequency data ~~new frequency data~~ obtained in the correcting circuit.

7. (Original) The digital portable telephone set according to claim 6, wherein the correcting circuit corrects a frequency deviation of the received signal.

8. (Original) The digital portable telephone set according to claim 6, wherein the second quality data is used as line control data.

9. (Cancelled)

10. (Currently Amended) The digital portable telephone set according to claim 15 [[9]], wherein the second quality data includes received signal frequency data.

11. (Currently Amended) The digital portable telephone set according to claim [[9]] 15, wherein the first decoder generates received data on the basis of the new frequency data.

12. (Currently Amended) The digital portable telephone set according to claim [[9]] 15, which further comprises automatic frequency control means for automatically controlling the received signal frequency according to the second quality data.

13. (Currently Amended) The digital portable telephone set according to claim [[9]] 15, wherein the correcting means corrects frequency deviation of the received signal.

14. (Currently Amended) The digital portable telephone set according to claim [[9]] 15, wherein the first quality data is used as line control data.

15. (Previously Presented) A digital portable telephone set including means for demodulating a received signal and reproducing data with control means for line control in the portable telephone set comprising:

a phase detecting unit for providing an IF signal from as phase data under control of a clock of the reference frequency at a timing of symbol clock;

a one symbol delaying unit for delaying the phase data by one;

a first subtracter for obtaining a first difference signal between the phase data and the delayed signal by the one symbol delaying unit on the basis of a correction signal;

a second subtracter for obtaining a second difference signal between the phase data and the delayed signal by the one symbol delaying unit;

a correcting means for producing the correction signal on the basis of the first difference signal;

a first decoder for decoding the first difference signal to produce the received data and a first quality data of a reception line; and

a second decoder for decoding the second difference signal to produce a second quality data of the reception line,

wherein the first decoder and second decoder being in parallel with each other.

16. (Previously Presented) A digital portable telephone set including means for demodulating a received signal and reproducing data, consisting of:

a phase detecting unit for providing an IF signal from as phase data under control of a clock of the reference frequency at a timing of symbol clock;

a one symbol delaying unit for delaying the phase data by one;

a subtracter for obtaining a difference signal between the delayed phase data obtained by one symbol delaying unit and the phase data on the basis of a correction signal;

a decoder for decoding the difference signal to produce the received data and a quality data of a receipt line; and

a correcting means for producing the correction signal on the basis of the difference signal and supplying the correction signal to said subtracter and to a control unit.